

# Comparisons of Job Characteristics

**Focus Occupation:** Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)

**Associated Occupation:** Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

**Focus Occupation:** Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)

**Associated Occupation:** Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                         |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Mechanical                                     | 6.8                             | 15.0                           | 15.2                      | 0 Current knowledge level may be sufficient            |
| Mathematics                                    | 9.2                             | 13.9                           | 9.2                       | << Extensive education and/or training may be required |
| Design   | 5.2                             | 10.4                           | 7.6                       | << Extensive education and/or training may be required |
| Production and Processing                      | 6.0                             | 10.2                           | 10.3                      | 0 Current knowledge level may be sufficient            |
| Engineering and Technology                     | 5.7                             | 8.2                            | 6.5                       | < Expanded education and/or training may be required   |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation:** Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)

**Associated Occupation:** Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Operation Monitoring                        | 6.6                             | 9.2                            | 11.6                      | > Skill level is likely sufficient            |
| Quality Control Analysis                    | 5.9                             | 8.9                            | 10.3                      | > Skill level is likely sufficient            |
| Operation and Control                       | 5.4                             | 8.6                            | 9.6                       | > Skill level is likely sufficient            |
| Troubleshooting                             | 4.5                             | 6.6                            | 9.0                       | >> Skill level is likely more than sufficient |
| Equipment Selection                         | 3.3                             | 6.5                            | 5.9                       | < A higher skill level may be required        |
| Equipment Maintenance                       | 3.5                             | 6.2                            | 8.8                       | >> Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities  |                                 | Similarity of Focus Occupation to Associated Occupation: 93 |                           |                                |   |
|--|---------------------------------|---|---------------------------|--------------------------------|---|
| Focus Occupation: Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)<br>Associated Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034) |                                 |   |                           |                                |   |
| Associated Occupation's Key Abilities Elements   | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |   |
| Control Precision  | 6.6                             | 11.9  | 12.3                      | 0                              | Current ability level may be sufficient       |
| Finger Dexterity   | 7.6                             | 10.3  | 10.2                      | 0                              | Current ability level may be sufficient       |
| Arm-Hand Steadiness  | 6.8                             | 10.2  | 10.4                      | 0                              | Current ability level may be sufficient       |
| Reaction Time  | 4.8                             | 10.1  | 10.2                      | 0                              | Current ability level may be sufficient       |
| Static Strength  | 5.0                             | 8.8   | 7.9                       | <                              | Some improvement in abilities may be required |
| Trunk Strength   | 5.7                             | 8.4   | 7.5                       | <                              | Some improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common  |                         | Similarity of Focus Occupation to Associated Occupation: 100 |
|--|-------------------------|--|
| Focus Occupation: Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)<br>Associated Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034) |                         |  |
| Work Activities  | Exclusivity of Activity |  |
| Adjust production equipment/machinery setup  | 25                      |  |
| Compute production, construction, or installation specifications   | 58                      |  |
| Examine products or work to verify conformance to specifications   | 15                      |  |
| Install equipment or attachments on machinery or related structures  | 48                      |  |
| Lay out machining, welding or precision assembly projects  | 63                      |  |
| Load or unload material or workpiece into machinery  | 34                      |  |
| Maintain or repair industrial or related equipment/machinery   | 39                      |  |
| Monitor production machinery/equipment operation to detect problems  | 27                      |  |
| Move or fit heavy objects  | 8                       |  |
| Operate hoist, winch, or hydraulic boom  | 34                      |  |
| Operate lathes   | 76                      |  |
| Operate metal or plastic fabricating equipment/machinery   | 54                      |  |
| Read blueprints  | 10                      |  |
| Read specifications  | 23                      |  |
| Read technical drawings  | 7                       |  |
| Read work order, instructions, formulas, or processing charts  | 9                       |  |
| Set up computer numerical control machines   | 69                      |  |

|   |    |
|---|----|
| Set up production equipment or machinery                  | 51 |
| Understand machine setup instructions                     | 74 |
| Understand technical operating, service or repair manuals | 6  |
| Use hand or power tools                                   | 2  |
| Use precision measuring tools or equipment                | 17 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)**

**Associated Occupation: Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)**

| Tools and Technologies  | Exclusivity |
|---|-------------|
| Tools and technology data is unavailable for one or both occupations. |             |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.